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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/483,385	01/13/2000	Li-Wen Chen	19608-000210US	8308

7590 06/28/2005

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EXAMINER

COLBERT, ELLA

ART UNIT	PAPER NUMBER
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3624

DATE MAILED: 06/28/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/483,385

Applicant(s)

CHEN, LI-WEN

Examiner

Ella Colbert

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11 March 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6, 11-15, 20, 22, 24, 30, 31, 33 and 40-48 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☐ Claim(s) _____ is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☒ Claim(s) 1-6, 11-15, 20, 22, 24, 30, 31, 33, and 40-46 are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

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DETAILED ACTION

1. Claims 1-6, 11-15, 20-22, 24, 30, 31, 33, and 40-48 are pending. Claims 1, 2, 11, 20, 30, and 40 have been amended, claims 29, 38, and 39 have been cancelled, and claims 42-48 have been added in this communication filed 03/11/04 entered as Response After Non-Final action.
2. The Request for Extension of Time has been granted and entered.
3. Applicant's arguments with respect to the claims 1-6, 11-15, 20-22, 24, 28-31, 33, 38, 39, 40, and 41 have been considered but are moot in view of the new ground(s) of rejection.

Election/Restrictions

4. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - I. Claims 1-6, 40, 41, and 44, drawn to a method and a computer readable medium for analyzing information in a source database, classified in class 707, subclass 100.
 - II. Claims 11-15 and 45, drawn to a method and a computer readable medium for analyzing information in a database, classified in class 707, subclass 1.
 - III. Claims 20-22, 24, 42, and 46, drawn to a method and computer readable medium for analyzing information in a first database organized according to a first data schema, classified in class 707, subclass 200.
 - IV. Claims 30, 31, 33, 43, 47, and 48, drawn to a method, a computer readable medium and an apparatus for analyzing information from a

database organized according to a first data model, classified in class 707, subclass 3.

5. Inventions Group I, Group II, Group III, and Group IV are related as combination and subcombination. Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because Group I has separate utility such as receiving a definition of a reverse star schema meta-model, generating a data warehouse populated with the information from the source database, receiving a definition of at least one of the customer profile groups, receiving input indicating a quantity of interest, receiving a definition of a data model, dynamically creating a generated database, creating a first dimension table, creating a fact table, displaying a portion of the generated database and Group II has separate utility such as receiving a definition of a plurality of customer profile groups, creating a list of customers, creating customer classification components, and Group III has separate utility such as defining a virtual data model, determining from the virtual data model a second data schema, receiving as input a third data model definition, creating a third database, creating a first mapping, creating a second mapping, selectively migrating at least a portion of the information from the first database to the second database. The subcombination Group IV has separate utility such as defining based upon a virtual data model, receiving as input a definition of a second data model,

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creating a first mapping from the first data model to a data warehouse, creating a second mapping from the data warehouse to a second data model, analyzing information based upon the second data model using a first and second mapping.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

Because these inventions are distinct for the reasons given above and the search required for Group I is not required for Group II, Group III, and Group IV the search required for Group II is not required for Group I, Group III, and Group IV and the search for Group III is not required for Group I, Group II, and Group IV and the search for Group IV is not required for Group I, Group II, and Group III, restriction for examination purposes as indicated is proper.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Inquiries

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ella Colbert whose telephone number is 571-272-6741. The examiner can normally be reached on Monday-Thursday, 6:30AM-5:00PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vincent Millin can be reached on 571-272-6747. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



E. Colbert
June 22, 2005